# Almanac Daily - US - v3

Domain Portfolio: Lifestyle | Domain: Lifestyle | Usage Classification: Standard

**Geography:** US Only **Attribution Required:** No **Attribution Requirements:** N/A

## Overview

The Almanac API is a public API. The almanac information for this API is sourced from National Weather Service observations stations from a time period spanning 10 to 30 years or more. The information is gathered and provided by the National Climatic Data Center (NCDC) and is re-distributed to all TWC platforms.

## HTTP Headers and Data Lifetime - Caching and Expiration

For details on appropriate header values as well as caching and expiration definitions, please see **The Weather Company Data | API Common Usage Guide**.

| Atomic Endpoints | Aggregate Product Names |
|---|---|
| v3/wx/almanac/daily/1day | v3-wx-almanac-daily-1day |
| v3/wx/almanac/daily/5day | v3-wx-almanac-daily-5day |
| v3/wx/almanac/daily/7day | v3-wx-almanac-daily-7day |
| v3/wx/almanac/daily/10day | v3-wx-almanac-daily-10day |
| v3/wx/almanac/daily/15day | v3-wx-almanac-daily-15day |
| v3/wx/almanac/daily/30day | v3-wx-almanac-daily-30day |
| v3/wx/almanac/daily/45day | v3-wx-almanac-daily-45day |

## URL Construction

*Note:

- **day** and **month** are required parameters for the '1day' endpoint. **startDay** and **startMonth** are required parameters for '5day', '7day', '10day', '15day', '30day' and '45day' endpoints.
- Sample request for '1day' endpoint: https://api.weather.com/v3/wx/almanac/daily/1day?**geocode=33.33,-83.22**&format=json&units=h&day=31&month=12&apiKey**=yourApiKey**

## Valid Parameter Definitions

| Parameter Name | Valid Parameter Value | Description | Endpoints |
|---|---|---|---|
| day | any valid day of the month, range 01-31, 1 Day data return | any valid day of the month, range 01-31, 1 Day data return | 1day |
| month | any valid month of the year, range 01-12, 1 Day data return | any valid month of the year, range 01-12, 1 Day data return | 1day |
| startDay | any valid day of the month, range 01-31 | any valid day of the month, range 01-31 | 5day, 7day, 10day, 15day, 30day, 45day |
| startMonth | any valid month of the year, range 01-12 | any valid month of the year, range 01-12 | 5day, 7day, 10day, 15day, 30day, 45day |

| |
|---|
| **Request by Geocode: Required Parameters:** geocode, units, format, startDay **or** day, startMonth **or** month, apiKey*<br>https://api.weather.com/v3/wx/almanac/daily/5day?**geocode=<geocode>**&format=<format>&units=<units>&startDay=<startDay>&startMonth=<startMonth>&apiKey**=yourApiKey** |
| https://api.weather.com/v3/wx/almanac/daily/5day?**geocode=33.33,-83.22**&format=json&units=h&startDay=31&startMonth=12&apiKey**=yourApiKey** |
| **Request by IATA Code: Required Parameters:** iataCode, units, format, startDay **or** day, startMonth **or** month, apiKey*<br>https://api.weather.com/v3/wx/almanac/daily/5day?**iataCode=<iataCode>**&format=<format>&units=<units>&startDay=<startDay>&startMonth=<startMonth>&apiKey**=yourApiKey** |
| https://api.weather.com/v3/wx/almanac/daily/5day?**iataCode=DEN**&format=json&units=h&startDay=31&startMonth=12&apiKey**=yourApiKey** |
| **Request by ICAO Code: Required Parameters:** icaoCode, units, format, startDay **or** day, startMonth **or** month, apiKey*<br>https://api.weather.com/v3/wx/almanac/daily/5day?**icaoCode=<icaoCode>**&format=<format>&units=<units>&startDay=<startDay>&startMonth=<startMonth>&apiKey**=yourApiKey** |
| https://api.weather.com/v3/wx/almanac/daily/5day?**icaoCode=KDEN**&format=json&units=h&startDay=31&startMonth=12&apiKey**=yourApiKey** |
| **Request by Place ID: Required Parameters:** placeid, units, format, startDay **or** day, startMonth **or** month, apiKey*<br>https://api.weather.com/v3/wx/almanac/daily/5day?**placeid=<placeid>**&format=<format>&units=<units>&startDay=<startDay>&startMonth=<startMonth>&apiKey**=yourApiKey** |
| https://api.weather.com/v3/wx/almanac/daily/5day?**placeid=ee0214ae7fb1d265f3e4d2509e77557119b2cac9d0ac1013b593c74a1567f2b7**&format=json&units=h&startDay=31&startMonth=12&apiKey**=yourApiKey** |
| **Request by Postal Key: Required Parameters:** postalKey, units, format, startDay **or** day, startMonth **or** month, apiKey*<br>https://api.weather.com/v3/wx/almanac/daily/5day?**postalKey=<postalKey>**&format=<format>&units=<units>&startDay=<startDay>&startMonth=<startMonth>&apiKey**=yourApiKey** |
| https://api.weather.com/v3/wx/almanac/daily/5day?**postalKey=81657:US**&format=json&units=h&startDay=31&startMonth=12&apiKey**=yourApiKey** |

## Data Elements & Definitions

Note: Field names are sorted alphabetically in the table below for presentation purposes. The table below does not represent the sort order of the API response.

| Field Name | Description | Type | Range | Sample | Nulls Allowed |
|---|---|---|---|---|---|
| almanac | | array | | | |
| almanacInterval | Defines the time interval the data was recorded: as a daily value, a monthly value, or an annual value; an average for the entire data set. | [string] | - | D | N |
| almanacRecordDate | Date of the Almanac record | [ISO] | - | 1231 | N |
| almanacRecordPeriod | Number of years compiling records | [integer] | - | 30 | Y |
| almanacRecordYearMax | The Year that high was recorded | [ISO] | - | 1984 | Y |
| almanacRecordYearMin | The Year that low was recorded | [ISO] | - | 1983 | Y |
| precipitationAverage | The Average Precipitation amount to two decimal points of specificity | [decimal] | - | 0.16 | Y |
| snowAccumulationAverage | The Average Snow accumulation to one decimal point of specificity | [decimal] | - | 2.8 | Y |
| stationId | Unique identifier for a reporting station | [string] | - | 93271 | N |
| stationName | The common name of the reporting station. The station name, usually a city or airport location, for a unique station Id. In some cases, the | [string] | - | VAIL | Y |

| | | | | | |
|---|---|---|---|---|---|
| | reporting station is not located in the city itself but in nearby locations such as military bases or official reporting facility. | | | | |
| temperatureAverageMax | The Average High temperature | [integer] | - | 54 | Y |
| temperatureAverageMin | The Average Low temperature | [integer] | - | 32 | Y |
| temperatureMean | The Mean Temperature for the period | [integer] | - | 43 | Y |
| temperatureRecordMax | The Record High for the day | [integer] | - | 75 | Y |
| temperatureRecordMin | The Record Low for the day | [integer] | - | 11 | Y |

## JSON Sample


```
// Response Collapsed for Presentation Purposes
{
        almanacInterval:
        [
                "D"
        ],
        almanacRecordDate:
        [
                "1231"
        ],
        almanacRecordPeriod:
        [
                30
        ],
        almanacRecordYearMax:
        [
                2011
        ],
        almanacRecordYearMin:
        [
                1988
        ],
        precipitationAverage:
        [
                1.27
        ],
        snowAccumulationAverage:
        [
                2.8
        ],
        stationId:
        [
                "058575"
        ],
```

```
        stationName:
        [
                "VAIL"
        ],
        temperatureAverageMax:
        [
                -3
        ],
        temperatureAverageMin:
        [
                -15
        ],
        temperatureMean:
        [
                -9
        ],
        temperatureRecordMax:
        [
                6
        ],
        temperatureRecordMin:
        [
                -21
        ]
}
```